A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/37 A61K35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, EMBASE

C. DOCON	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
Х	WO 03/026403 A (DELTAGEN, INC; ROBERT, G; KIRK, CHRISTOPHER, J 3 April 2003 (2003-04-03) the whole document	WISOTZKEY,	1-10
X	EP 1 336 847 A (BIOFRONTERA PHARMACEUTICALS AG) 20 August 2003 (2003-08-20) the whole document		7 · · · · ·
X	US 2003/224511 A1 (DOBIE KENNET 4 December 2003 (2003-12-04) the whole document	H W)	7
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χ Furt	her documents are listed in the continuation of box C.	X Patent family members are listed in a	annex.
"A" docume consider a filing of the citatio other of the course of the citatio of the citation of the citat	ategories of cited documents: ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but han the priority date claimed	"T" later document published after the internation or priority date and not in conflict with the cited to understand the principle or theor invention "X" document of particular relevance; the claim cannot be considered novel or cannot be involve an inventive step when the document of particular relevance; the claim cannot be considered to involve an inventive step when the document is combined with one or more ments, such combination being obvious in the art. "&" document member of the same patent far	e application but y underlying the med invention e considered to ment is taken alone med invention nitve step when the other such docu- to a person skilled
	actual completion of the international search	Date of mailing of the International search	report
	9 August 2005 nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	08/09/2005 Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Marinoni, J-C	

Internation No
PCT/US2004/041815

		PCT/US2004/041815		
C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
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X	GUNCAR GREGOR ET AL: "Crystal structure of cathepsin X: A flip-flop of the ring of His23 allows carboxy-monopeptidase and carboxy-dipeptidase activity of the protease" STRUCTURE (LONDON), vol. 8, no. 3, 15 March 2000 (2000-03-15), pages 305-313, XP002342587 ISSN: 0969-2126 the whole document		7	
Α .	WO 02/055726 A (THE GENERAL HOSPITAL CORPORATION; FAUSTMAN, DENISE, L) 18 July 2002 (2002-07-18)			
Α .	WO 99/31256 A (IMMUNEX CORPORATION; ANDERSON, DIRK, MICHAEL; NAKAGAWA, TERRY, Y) 24 June 1999 (1999-06-24)			
A	WO 96/36729 A (COULTER INTERNATIONAL CORP) 21 November 1996 (1996-11-21)			
Α	WO 94/04172 A (PROTOTEK, INC) 3 March 1994 (1994-03-03)			
А	TROMBETTA E SERGIO ET AL: "Activation of lysosomal function during dendritic cell maturation." SCIENCE (WASHINGTON D C), vol. 299, no. 5611, 28 February 2003 (2003-02-28), pages 1400-1403, XP002342588 ISSN: 0036-8075			
A	LENNON-DUMENIL ANA-MARIA ET AL: "Analysis of protease activity in live antigen-presenting cells shows regulation of the phagosomal proteolytic contents during dendritic cell activation" JOURNAL OF EXPERIMENTAL MEDICINE, vol. 196, no. 4, 19 August 2002 (2002-08-19), pages 529-539, XP002342589 ISSN: 0022-1007			

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A	SANTAMARIA I ET AL: "Cathepsin Z, a novel human cysteine proteinase with a short propeptide domain and a unique chromosomal location" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 273, no. 27, 3 July 1998 (1998-07-03), pages 16816-16823, XP002101278 ISSN: 0021-9258 cited in the application				
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International application No. PCT/US2004/041815

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 9,10 partially because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 9 and 10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
Coulonable Maine.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely pald by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Information on patent family members

Internation No
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